

This listing of claims will replace all prior versions and listings, of claims in the application:

**Listing of Claims:**

1. **(Currently Amended)** A photocatalytic composition comprising at least one photocatalyzing agent bound to a support by means of an inorganic binder derived from an aqueous colloidal dispersion comprising from 20 to 50% by weight silica particles having a diameter of between ~~10 and 50~~ ~~20 and 30~~ nanometers and a specific surface area greater than 80 m<sup>2</sup>/g.
2. **(Previously Presented)** The photocatalytic composition as claimed in claim 1, wherein the aqueous colloidal dispersion consists essentially of an aqueous colloidal dispersion of silica.
3. **(Previously Presented)** The photocatalytic composition as claimed in claim 1, wherein the photocatalyzing agent is anastase TiO<sub>2</sub>.
4. **(Previously Presented)** The photocatalytic composition as claimed in claim 3, wherein the diameter of particles of the anastase TiO<sub>2</sub> is between 10 and 30 nanometers.
5. **(Previously Presented)** The photocatalytic composition as claimed in claim 3, comprising from 10 to 60 parts of the aqueous colloidal dispersion as dry matter, a balance to 100 parts consisting of TiO<sub>2</sub>.
6. **(Previously Presented)** The photocatalytic composition as claimed in claim 5, comprising 50 parts of titanium dioxide and 50 parts of the aqueous colloidal dispersion.
7. **(Previously Presented)** The photocatalytic composition according to claim 1, additionally comprising zeolites modified by metal ions.
8. **(Previously Presented)** The photocatalytic composition as claimed in claim 1, additionally comprising active carbon.

9. **(Previously Presented)** A process for manufacturing a photocatalytic composition as claimed in claim 1, comprising mixing the photocatalyzing agent into the aqueous colloidal dispersion while stirring until a homogeneous suspension is obtained.

10. **(Previously Presented)** A process for manufacturing a photocatalytic composition as claimed in claim 7, comprising mixing the photocatalyzing agent and the zeolites modified by metal ions while stirring into the aqueous colloidal dispersion until a homogeneous suspension is obtained.

11. **(Previously Presented)** A process for manufacturing a photocatalytic composition as claimed in claim 8, comprising mixing the photocatalyzing agent and the active carbon while stirring so as to obtain a homogeneous suspension.

12. **(Canceled)**

13. **(Withdrawn)** A filtering medium comprising a support having at least one surface coated with a layer comprising the photocatalytic composition as claimed in claim 1.

14. **(Withdrawn)** The filtering medium as claimed in claim 13, wherein the support is a fibrous support.

15. **(Withdrawn)** The filtering medium as claimed in claim 13, wherein the support is an acoustic panel.

16. **(Withdrawn)** The filtering medium as claimed in claim 13, wherein a second surface of the support is coated with a second composition capable of eliminating odors, the second composition comprising a derivative of undecylenic acid.

17. **(Withdrawn)** The filtering medium as claimed in claim 16, wherein said second composition additionally comprises dioctyl sulfosuccinate capable of destroying mite-type insects.

18. **(Withdrawn)** The filtering medium as claimed in claim 13, additionally comprising a prefilter comprising a support coated with a second composition capable of eliminating odors, the second composition comprising a derivative of undecylenic acid.

19. **(Withdrawn)** The filtering medium as claimed in claim 18, wherein said second composition additionally comprises dioctyl sulfosuccinate capable of destroying mite-type insects.

20. **(Withdrawn)** A process for manufacturing a filtering medium as claimed in claim 13, wherein the support is coated with the photocatalytic composition in an amount ranging from 5 to 40 g/m<sup>2</sup> of TiO<sub>2</sub>.

21. **(Withdrawn)** A process for manufacturing a filtering medium as claimed in claim 6, wherein said second composition is coated in an amount of 2 g/m<sup>2</sup> on the support.

22-23. **(Canceled)**

24. **(Withdrawn)** A method for treating a fluid containing organic pollutants, said method comprising:

providing a photocatalytic composition according to claim 1;  
coating the photocatalytic composition on a support;  
contacting the coated support with the fluid containing organic pollutants; and  
exposing the coated support to ultraviolet radiation;

whereby organic pollutants contained in the fluid are degraded to carbon dioxide.

25. **(Withdrawn)** A method according to claim 24 wherein the fluid is air.

26. **(Withdrawn)** A method according to claim 24 wherein the fluid is a liquid effluent.

27. **(Withdrawn)** A method according to claim 24 wherein the support is a fibrous support.

28. **(Withdrawn)** A method according to claim 24 wherein the support is an acoustic panel.